

MSSD students experience sound with synthesizer

MSSD has become the first school for deaf students to offer speech therapy, auditory training and music through a state-of-the-art audio synthesizer called Emulator II, thanks to a grant from the Presser Foundation.

Housed in its own laboratory in MSSD's Communications Department, the Emulator II provides a wide variety of computer-simulated representations of sound.

The system includes a digital sampling keyboard, an Apple Macintosh computer and printer, specially designed software, a color organ and a vibrating floor that combine to simultaneously present a visual, audio and vibro-tactile experience of sounds.

"Digital sampling is the most exciting breakthrough to date in audio technology," said Howard Schlieper, MSSD audio engineer. "This capability makes it possible to copy, store, manipulate and recall any sound presented to the emulator. And the accuracy of the sound reproduction is incredible."

The emulator can also produce detailed three-dimensional pictures (or, on a split screen, up to three two-dimensional pictures simultaneously) of sounds that enable students to "see" their own voices. "These visual reproductions, used with recordings of their voices, help students to analyze and try to improve their speech," said Schlieper.

The system also helps clarify simple



Howard Schlieper, audio engineer, and MSSD freshman Karla Anderson experiment with Emulator II's recording capacity.

voice commands and various environmental sounds such as car engines and fire alarms. Sounds of different situations can be stored in the system and recalled at the touch of a key to provide training in recognizing and differentiating between sounds.

The keyboard can also be played like a piano to produce a variety of musical sounds from a full orchestra to a simple drumbeat. An extensive library of sample sounds is available on floppy disks. A built-in digital eight-track recorder/sequencer permits many instrument sounds to be played simultaneously by one person.

By programming notes into the recorder, students can compose

melodies, arrange music and experiment with tonal coloration.

"Along with the practical purposes of speech therapy and audio training on an individual basis," said Schlieper, "the system enhances students' comprehension and enjoyment of music."

"Making sound accessible to hearing impaired individuals is a continuous challenge," said Schlieper. "The Communications Department is constantly searching for new technologies to help our students explore and understand the world of sound."

"The Emulator lab is designed to be a model that can be replicated by other educational programs for hearing impaired students," he said.

New NSF grant will link campus to supercomputers

Kevin Casey, director of Computer Services, and David Snyder, associate professor of physics, have received an award from the National Science Foundation (NSF) to establish a Gallaudet computer communication link to NSFnet and the NSF-supported supercomputer facilities.

The grant covers 12 months of operation with possible competitive extensions for two years. The equipment and software necessary to complete the connection are being ordered and the link should be functioning within the next four months.

For more than a year it has been possible for Gallaudet VAX computer users not only to make use of the local computer resources of the campus, but also to connect with users and services beyond the bounds of the campus. This capability has existed because of a network known as BITNET, the Because It's Time NETwork.

Because BITNET links with more than 1,700 computers, it has been possible for a Gallaudet VAX user to communicate by electronic mail with individuals at more than 350 institutions of higher education and research in the United States, Europe, Canada and the Far East. It has also been possible to send and receive computer files and carry out an interactive dialogue with a remote user or service in a manner very similar to TDD communication. Faculty have used these facilities during the past year for peer interaction, document exchange, and classroom support.

Access to NSFnet will enable a Gallaudet VAX user to "log in" on remote computers, including supercomputers, providing enhanced resources and connectivity to faculty, researchers and students. At the same time, other universities will be able to have access to Gallaudet's unique resources.

Gallaudet will reach NSFnet by first establishing a connection with the Southeastern Universities Research Association SURAnet. Gallaudet links to BITNET by way of George Washington University and will link to SURAnet by way of the University of Maryland.

SURAnet provides access to the Universities of Alabama, Georgia, Kentucky, Maryland, North Carolina, Tennessee, Virginia and West Virginia, as well as NSF, Clemson, Duke, Florida State, Georgia Tech, Johns Hopkins, Louisiana State and North Carolina State.

Victorian farce opens Feb. 27

The Theatre Arts Department will present "Charley's Aunt" Feb. 27-28 and March 6-7 at 8 p.m. in Elstad Auditorium.

The Victorian farce, written by Brandon Thomas and directed by Gil Eastman, deals with the antics of Oxford undergraduates trying to impress their girlfriends.

Tickets are \$2.50 for children and students (including sign language students) and \$4.50 for others. Gallaudet students will be admitted free with I.D. For reservations, call x5502 (TDD) and x5500 (V).

Box office hours are as follows: 2 to 5 p.m. through Feb. 26 and March 2-5; 2-8 p.m. Feb. 27 and March 6; and 5 to 8 p.m. Feb. 28 and March 7.



Provost Catherine Ingold (left) talks with visiting lecturer Martin L. Kamerow, CPA, of Harab, Kamerow & Associates, Rockville, after his Feb. 3 lecture on 1986 tax law revisions. Looking on are CAS Dean King Jordan (center) and students Kevin Barber and Karrie Hafeman.

Pols will 'hoop it up' on campus

Tickets are now available for the first annual Congressional Charity Basketball Game to be held Tuesday, March 3 at 7:30 p.m. in the Gallaudet Field House. Proceeds will benefit Gallaudet and its programs.

Tickets for the game, featuring Democratic and Republican members of Congress, are \$5 for adults and \$3 for non-Gallaudet students. Gallaudet and MSSD students will be admitted free with an I.D.

Tickets are available at all deans' offices, vice presidents' offices, the President's office and the Public Relations office. The following people are also selling tickets:

Marin Allen, Brenda Bishop, Bobbie Boswell, Frank Callahan, Ed Corbett, Ginny Cowgell, John Day, Sheila Deane, Gerri Frank, Lolly Gilbert, Silvia Golocovsky, Jeff Grandel, Mal Grossinger, Gloria Jones, Marlene Matthews, Kay Meadow-Orlans, Rhonda McIntyre, Sally O'Rourke, John Parker, Don Pettingill, Denise Sullivan, Kitty Teel, Katrina Thompson and Virginia Torabi.



Rep. Carl Pursell (R-Mich., standing on chair), coach of the Republican team, tries to even the odds against Rep. Tom McMillen (D-Md., right), a 6' 10½" former forward for the Washington Bullets and coach of the Democratic team. Looking on are (left to right) Rep. Mike Oxley (R-Ohio), Rep. David Bonior (D-Mich.) and Rep. Tom Downey (D-N.Y.). Rumor has it that McMillen and Gallaudet's top basketball player will have a halftime "shootout."

Plan jobs early, says P&P staff

This time of year, occasional warm breezes start the juices flowing, prompting people to catch up on projects they've postponed.

At least this is the hope of the Publications and Production Department (P&P) staff people, who are swamped when clients don't get their publication projects to them on time.

Because of its limited size, P&P staff must schedule work well in advance. "Sometimes a preliminary meeting can help clients focus their ideas and clarify the production costs and the time involved," said Laura-Jean Gilbert, P&P director. "The staff encourages preliminary meetings, but warns that all the careful planning in the world will not help if we don't receive the typewritten copy on schedule. Editors, typesetters and artists can do nothing until we have the copy."

The staff meets with clients Monday and Wednesday mornings and Tuesday and Thursday afternoons. Appointments should be made a week in advance.

According to Gilbert, an average of 16 to 20 projects arrive in the department every week. "Currently the staff is juggling at least 70 jobs at any given time," she said.

The following is a sample list of types of publications and the minimum production times necessary from receipt of copy to delivery: Invitations, one week; posters (11 x 17 or 16 x 20), one month; one-color ink brochures (8½ x 11), four to six weeks; two-color ink brochures (8½ x 14 or 6 x 9), seven weeks; program books or informational booklets, two months; catalogs or viewbooks, three months.

Letterheads, envelopes and quick copy printing may be taken directly to the print shop with an interdepartmental invoice. Completion of quick copy printing varies from one day to several weeks depending on the job length and number of copies.

For information, assistance or an appointment, call x5154.

Announcements

As part of "Criminal Justice and the Deaf: A Lecture Series," Dr. Larry Stewart will present "A Question of Competency: The Deaf Criminal or the System?" Feb. 26 from 10 a.m. to noon in the Merrill Learning Center, room LN-11. The presentation will also be given at the University of Maryland, Lefrak Hall, room 0124 from 3:30 to 5:30 p.m.

The Maryland Gymkana Troupe will present a gymnastic exhibition, including aerial acrobatics, dance and comedy with traditional gymnastic apparatus, Feb. 27 at 7:30 p.m. in the Field House. Admission is free. The event is sponsored by the Gallaudet Gymnastic Club and the Department of Physical Education and Recreation. For more information, call Jean Buchanan, x5591.

Journalism award entries are sought

Entries for the 1987 Gallaudet Journalism Award are currently being accepted, with a deadline of March 31.

The award, sponsored by Gallaudet and the Gallaudet University Alumni Association (GUAA), is presented annually to journalists for excellence in writing accurate and substantive articles on deafness-related topics. Winners are selected by a jury composed of professional journalists and members of the deaf community. Anyone in the Gallaudet community can nominate articles for the award.

A \$500 cash award and certificate will be presented for the best non-fiction article of 2,000 words or more. A \$200 award and certificate will be presented for the best non-fiction article of less than 2,000 words.

Eligibility is restricted to writers employed by U.S. wire services, newspapers or magazines of general circulation. Articles must have appeared for the first time in the United States between January, 1986 and December, 1986. Gallaudet employees and alumni and Gallaudet publications are not eligible.

Anyone on campus may submit nominations. Entry forms are available in the Office of Public Relations, Edward Miner Gallaudet Building. Entries must be submitted by March 31.

The 5th Annual Maryland Racquetball Tournament for the Deaf will be held in Baltimore April 24-26. Cash prizes and trophies will be awarded. The entry fee is \$30 for the first event and \$20 for the second, if received before March 14. After March 14, the fee for the first event will be \$35. Deadline for entry is April 10. For an entry form or more information, write to Sam Sonnenstrahl, 8126 Mandan Terrace, Greenbelt, MD 20770.

For greater security in residence halls, a recently established Overnight Student Monitors program has enlisted 19 student monitors and 13 substitutes to work rotating shifts at dorm entrances and to conduct building checks. Proper identification will be required of anyone in the dorms to ascertain resident status. Visitors will not be permitted in dorms without a visitor's card. For more information, call Lori Bonheyo, Residence Life Office, x5255.

The University Theatre at the University of Maryland will present Shakespeare's "Love's Labor Lost" Feb. 26 to 28 and March 5 to 7 at 8 p.m. in Tawes Theatre. Sign interpreters and hearing amplification will be available March 6 and 7. Tickets are \$5.50 for students and senior citizens and \$7 for others. For more information, call 454-2201 (V/TDD) weekdays from 11 a.m. to 4 p.m.

Jobs Available

Below are recently listed staff openings. For a complete list, call the job recording, x5358 or x5359 (TDD).

PHYSICAL EDUCATION TEACHER: MSSD

APPLICATIONS PROGRAMMER: User Services

LEARNING SKILLS SPECIALIST: School of Preparatory Studies

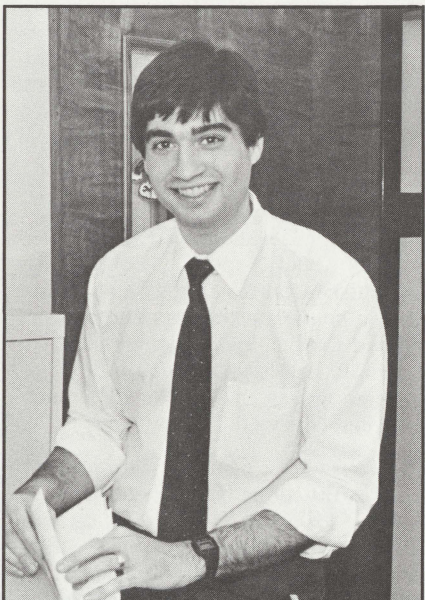
Classified Ads

FOR SALE: Sofa, tuxedo style, good cond. Call Brenda, x5575 (V/TDD).

WANTED: Roommate, M/F, nonsmoker, to share 2-BR apt. in New Carrollton with prof. and 2 cats, W/D, DW, w/w carpeting, CAC, convenient to Metro/shopping. \$292.50/mo. plus 1/2 elec. and phone. Deposit required. Call Cindy, 577-3944 (TDD) or 722-5873 (TDD) before 8 p.m.

FOR SALE: Contemporary dining room set, light wood, includes 3-leaf table, 60" buffet, 48" china cabinet, 6 chairs, very good cond., \$300. Call 722-5814 (TDD) or 779-6252 (TDD).

FOR SALE: '78 Chevy Beauville G20 van, captain's seats, 2 detachable bench seats, AC, PS, PB, cruise and radio. Call Maryte, x6012 (TDD).



Senior Fred Weiner is acting coordinator of Alumni Outreach, temporarily replacing Mary Anne Pugin, who attends the Leadership Training Program at California State University, Northridge.

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GREEN

Published each Monday for the staff and faculty of Gallaudet University by the Department of Publications and Production.

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Gallaudet University is an equal opportunity employer/educational institution. Programs and services offered by Gallaudet receive substantial financial support from the U.S. Department of Education.